



16138 U.S. PTO

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	564-12835-USCQ
First Inventor	V. Krueger
Title	Self-Controlled Directional Drilling..
Express Mail Label No.	EL978750015US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 28]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Sheets _____]
 - a. ☐ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ Paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 10/334,029

Prior application information:

Examiner _____

Art Unit: _____

For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number: 24923 OR ☐ Correspondence address below

Name _____

Address _____

City _____

State _____

Zip Code _____

Country _____

Telephone _____

Fax _____

Name (Print/Type)

WILLIAM E. SCHMIDT

Registration No. (Attorney/Agent)

47,064

Signature

Date

1/15/2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

10/758309 U.S. PTO



011504

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 770.00**Complete if Known**

Application Number	New Filing
Filing Date	Concurrently
First Named Inventor	Volker Krueger
Examiner Name	
Art Unit	
Attorney Docket No.	564-12835-USCQ

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
Deposit
Account
Name

02-0429 (564-12835-USCQ)

BakerHughes Incorporated

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	2001	770	385 Utility filing fee	770
1002	2002	340	170 Design filing fee	
1003	2003	530	265 Plant filing fee	
1004	2004	770	385 Reissue filing fee	
1005	2005	160	80 Provisional filing fee	
SUBTOTAL (1)				770

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
20	-20** = 0	0	0
2	-3** = 0	0	0
Multiple Dependent			0

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee Description
1202	2202	18	9 Claims in excess of 20
1201	2201	86	43 Independent claims in excess of 3
1203	2203	290	145 Multiple dependent claim, if not paid
1204	2204	86	43 ** Reissue independent claims over original patent
1205	2205	18	9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

**or number previously paid, if greater; For Reissues, see above.

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	2051	130	65 Surcharge - late filing fee or oath	
1052	2052	50	25 Surcharge - late provisional filing fee or cover sheet	
1053	1053	130	130 Non-English specification	
1812	1812	2,520	2,520 For filing a request for <i>ex parte</i> reexamination	
1804	1804	920*	920* Requesting publication of SIR prior to Examiner action	
1805	1805	1,840*	1,840* Requesting publication of SIR after Examiner action	
1251	2251	110	55 Extension for reply within first month	
1252	2252	420	210 Extension for reply within second month	
1253	2253	950	475 Extension for reply within third month	
1254	2254	1,480	740 Extension for reply within fourth month	
1255	2255	2,010	1,005 Extension for reply within fifth month	
1401	2401	330	165 Notice of Appeal	
1402	2402	330	165 Filing a brief in support of an appeal	
1403	2403	290	145 Request for oral hearing	
1451	1451	1,510	1,510 Petition to institute a public use proceeding	
1452	2452	110	55 Petition to revive - unavoidable	
1453	2453	1,330	665 Petition to revive - unintentional	
1501	2501	1,330	665 Utility issue fee (or reissue)	
1502	2502	480	240 Design issue fee	
1503	2503	640	320 Plant issue fee	
1460	1460	130	130 Petitions to the Commissioner	
1807	1807	50	50 Processing fee under 37 CFR 1.17(q)	
1806	1806	180	180 Submission of Information Disclosure Stmt	
8021	8021	40	40 Recording each patent assignment per property (times number of properties)	
1809	2809	770	385 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	2810	770	385 For each additional invention to be examined (37 CFR 1.129(b))	
1801	2801	770	385 Request for Continued Examination (RCE)	
1802	1802	900	900 Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0**SUBMITTED BY**

Name (Print/Type)	WILLIAM E. SCHMIDT	Registration No. (Attorney/Agent)	47,064	Telephone	(713) 266-1130 Ext. 120
Signature	<i>William E. Schmidt</i>	Date	January 15, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.